## Amendments to the Claims

1. (Currently amended) A method of performing total knee arthroplasty on a patient's knee, the method comprising:

forming an incision through skin of the patient's body;

positioning a cutting guide member in alignment with a bone of the knee;

cutting bone of at least [[the]] first and second condyles of the knee, including

initiating a cut in the bone while guiding a cutting tool along a guide surface of the <u>cutting</u> guide member to form a cut surface, <u>the guide surface having a length</u>;

angularly disposing the cutting tool along the guide surface in order to cut a section of the bone <u>having a cut length</u> wider <u>longer</u> than the <u>width length</u> of the guide <u>surface</u>, at least a portion of said cut section of bone being located in the interior of <u>within</u> the body with respect to the incision[[,]]:

removing the <u>cutting</u> guide member from against the bone, and then completing the cut of the section of bone <u>without using a guide surface of the cutting guide</u>, while guiding the cutting tool along the cut in the cut section; and

positioning a total knee replacement component against the cut <u>surface of the</u> bone of the knee,

wherein the cut of the section of bone has a dimension length longer than the length of the guide surface of the cutting guide member, and

wherein bone may be prepared for a total knee arthroplasty using with the length of the [[a]] guide surface shorter than the longest width of bone to be cut length of the cut surface of the bone.

## 2-3. (Canceled)

4. (Previously presented) The method of claim 1 wherein positioning the total knee replacement component includes positioning a first portion of the total knee replacement against

the cut bone, and subsequently positioning a second portion of the total knee replacement component against the same cut bone.

5. (Previously presented) The method of claim 4 further including the step of substantially immovably connecting the first and second portions of the total knee replacement component together after both portions have been positioned within the body, against the cut bone.

6. (Currently amended) The method of claim 1, further including suspending [[the]] <u>a</u> distal portion of the patient's leg, the distal portion including an inferior portion of the knee and <u>portions of the leg inferior to the knee</u>, from the knee, including bending the knee to a flexed condition, and cutting the bone of the knee while the knee is bent in the flexed condition.

7. (Currently amended) The method of claim 6 wherein bending the knee includes hyperflexing the knee by moving a bone on [[one]] a first side of a joint anteriorly with respect to a bone on [[the other]] a second side of the joint opposite said first side, whereby additional working space is created within the joint, and cutting the bone of the knee includes cutting the bone of the knee while the knee is hyperflexed.

- 8. (Currently amended) The method of claim 1 further including distracting the knee while [[the]] a distal portion of the patient's leg, the distal portion including a portion of the knee and portions of the leg inferior to the knee, is suspended from the knee, and wherein at least one of the steps of cutting the bone and positioning the total knee replacement component is performed while the knee is distracted.
  - 9. (Original) The method of claim 1 further including displacing a patella of the knee.
- 10. (Original) The method of claim 9 further including cutting the patella while the patella is displaced.

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11. (Original) The method of claim 10 wherein the patella is displaced with an inner side

of the patella remaining facing inward.

12. (Original) The method of claim 11 wherein the inner side of the patella remains facing

inward during the cutting and positioning steps.

13. (Original) The method of claim 1 further including everting a patella of the knee.

14. (Original) The method of claim 13 further including cutting the patella while the

patella is everted.

15. (Currently amended) A method of performing a total knee arthroplasty surgery on a

patient's joint, the method comprising, in the following order:

forming an incision having a length of about 13 cm or less;

positioning a cutting guide member at least part ways through the incision, against a bone

of the joint, the cutting guide member having a guide surface;

initiating a cut in the bone while guiding a cutting tool along the guide surface to form a cut

surface, at least a portion of said cut bone being enclosed by overlying skin and not exposed by

the incision;

removing the <u>cutting</u> guide member from against the bone of the joint;

positioning the cutting tool through the incision, and continuing the cut in the bone while

guiding the cutting tool along the cut surface, forming a cut surface having a cut length;

positioning a first portion of a total knee replacement component against cut bone of one

side of a joint, and subsequently positioning a second portion of the total knee replacement

component against the cut bone on the same side of the joint; and

affixing the first and second portions of the total knee replacement component together

after both portions have been positioned against the cut bone within the body, each of the first

and second portions of the total knee replacement component having an articulating surface;

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wherein bone may be prepared for a total knee arthroplasty through an incision size substantially less wide than the longest width of bone to be cut length of the cut surface of the bone, and using a guide surface substantially shorter than the longest width of bone to be cut length of the cut surface of the bone.

16-18. (Canceled)

19. (Previously presented) The method of claim 15 further including the step of suspending a distal portion of a patient's extremity connected with the joint.

20. (Currently amended) The method of claim 15 further including the step of distracting the joint, and wherein at least one of the steps of positioning the <u>cutting</u> guide member, positioning the cutting tool, initiating the cut, and completing the cut is performed with the joint distracted.

- 21. (Previously presented) The method of claim 15 wherein initiating the cut and continuing the cut are performed on a condyle of the bone.
- 22. (Previously presented) The method of claim 15 wherein initiating the cut and completing the cut are performed on both condyles of the bone.
- 23. (Original) The method of claim 15 further including completing the cut while guiding the cutting tool along the cut surface.
- 24. (Currently amended) The method of claim 15 further including removing the <u>cutting</u> guide member from the bone before continuing the cut.
- 25. (Original) The method of claim 15 wherein the guide surface comprises a guide slot and the step of positioning a cutting tool includes inserting the cutting tool into the guide slot.

26. (Currently amended) A method of performing a joint replacement surgery on a body of a patient, including cutting away a portion of bone of the joint, the portion of bone cut away having a width, the method comprising:

forming an incision having a length, defining a long dimension of the incision, of about 13 cm or less, and a width substantially less than the length;

aligning a cutting guide member with a bone of the joint, the guide member having opposite ends with a transverse dimension, defining a width of the cutting guide member, which is less than the width of [[a]] the portion of bone to be cut away;

positioning a cutting tool in association with a guide surface of the <u>cutting</u> guide member; initiating a cut in the bone while guiding the cutting tool along the guide surface to form a cut surface <u>having</u> a cut length;

angularly disposing the cutting tool along the guide surface in order to cut a section of the bone wider than the width of the guide member, [[the]] a swath of the angularly disposed cut being formed at an angle to the long dimension of the incision, and defining a width substantially greater than the width of the incision, at least a portion of said cut being located in the interior of within the body with respect to the incision; and

continuing the cut in the bone while guiding the cutting tool along the cut surface, wherein both medial and lateral condyles of the end portion of the bone are cut by the cutting tool and wherein the cutting guide member is removed from against the bone of the [[knee]] joint prior to said step of continuing the cut in the bone

wherein bone may be prepared for a total [[knee]] joint replacement using a guide surface shorter than the longest width of bone to be cut length of the cut surface of the bone.

27. (Original) The method of claim 26 further including positioning an implant against the cut bone.

28. (Canceled)

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29. (Currently amended) The method of claim 26 wherein the <u>cutting</u> guide member is

mounted to the bone and offset from a central longitudinal axis of the bone.

30. (Currently amended) The method of claim 29 wherein the joint is a knee, and the

cutting guide member is intramedullary mounted to the bone.

31. (Currently amended) The method of claim 29 wherein the joint is a knee, and the

cutting guide member is extramedullary mounted to the bone.

32. (Currently amended) The method of claim 26, wherein said <u>cutting</u> guide member is

operative when at least half of the guide body surface is disposed laterally to a line defining the

longitudinal axis of the bone to be cut.

33. (Currently amended) The method of claim 26, wherein said <u>cutting</u> guide member is

operative when at least one end is positioned between the skin and the bone to be cut.

34. (Currently amended) The method of claim 26, wherein the cutting guide member is less

wide than the width of the incision.

35. (Previously presented) The method of claim 26, wherein the swath of the angularly

disposed cut is formed at about right angles to the long dimension of the incision.

36. (Currently amended) The method of claim 26, wherein the joint is a knee, and the

<del>longest</del> <u>long</u> dimension of the incision is about 10 cm or less.

37. (Currently amended) A method of performing total knee arthroplasty on a patient's

knee, the knee having first and second condyles, the method comprising:

forming an incision having a length of about 13 cm or less;

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positioning a cutting guide member in alignment with a bone of the knee, aligning the cutting guide member using references derived independently from an intramedullary device; cutting bone of at least the first and second condyles of the knee, including

initiating a cut in the bone while guiding a cutting tool along a guide surface of the <u>cutting</u> guide member, the <u>guide surface having a length</u>, to form a cut surface,

angularly disposing the cutting tool along the guide surface in order to cut a section of the bone wider than the width longer than the length of the guide surface, at least a portion of said cut section of bone being located in the interior of the body with respect to not protruding past the incision,

removing the <u>cutting</u> guide member from against the bone, and then completing the cut of the section of bone, while guiding the cutting tool along the cut in the cut section; and

positioning a total knee replacement component against the cut bone of the knee, wherein the cut of the section of bone has a dimension longer than the <u>length of the</u> guide surface of the <u>cutting</u> guide member.

- 38. (Previously presented) The method of claim 15, wherein said step of initiating a cut in the bone is performed by a robot.
- 39. (Previously presented) The method of claim 15, further including the step of inserting an endoscope through an incision proximate the knee, to visually inspect locations within the knee.
- 40. (Previously presented) The method of claim 15, further including the step of inserting a cannula into a space within the knee.
- 41. (Previously presented) The method of claim 40, further including the step of cutting body tissue through the cannula.

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42. (Previously presented) The method of claim 41, wherein said step of positioning a total knee replacement component includes inserting said knee replacement component through the cannula.

43. (Previously presented) The method of claim 15, further including the steps of: preparing an end portion of the tibia; moving a tibial implant through the incision.

- 44. (Previously presented) The method of claim 1, further including the step of using an optical measuring device to determine if the cut has the desired configuration.
- 45. (Currently amended) A method of performing total knee arthroplasty on a patient's knee, the knee having first and second condyles, the method comprising, in the following order: forming an incision of about 13 cm or less;

positioning a cutting guide member in alignment with a bone of the knee; cutting bone of at least the first and second condyles of the knee, including

initiating a cut in the bone while guiding a cutting tool along a guide surface of the <u>cutting</u> guide member, the <u>guide surface having a length</u>, to form a cut surface,

angularly disposing the cutting tool along the guide surface in order to cut a section of the bone <u>having a cut length</u> wider <u>longer</u> than the <u>width length</u> of the guide <u>surface</u>, at least a portion of said cut section of bone being located in [[the]] <u>an</u> interior of the <u>patient's</u> body with respect to the incision, <u>the interior of the patient's body</u> defined as that portion of the body normally enclosed by skin,

removing the <u>cutting</u> guide member from against the bone, and then completing the cut of the section of bone, while guiding the cutting tool along the cut in the cut section; and

positioning a total knee replacement component against the cut <u>surface of the</u> bone of the knee,

wherein the cut of the section of bone has a dimension longer than the <u>length of the</u> guide surface of the <u>cutting</u> guide member, and

wherein bone may be prepared for a total knee arthroplasty through an incision size substantially less wide than the longest width of bone to be cut, and using a guide surface substantially shorter than the longest cut width length of the cut section of the bone to be cut.